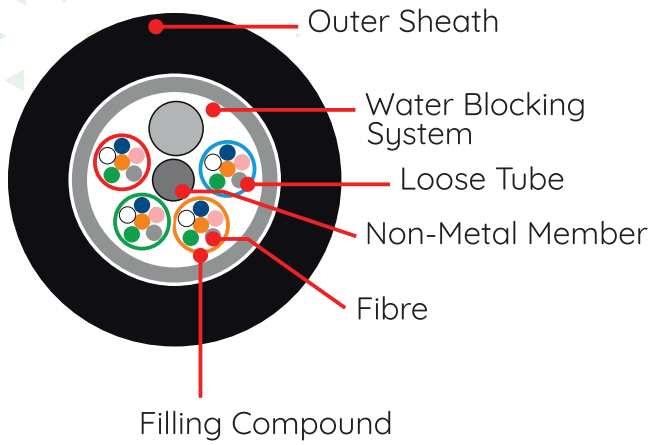


Multi Loose Tube Indoor/Outdoor FO Cable



Ⓢ Application

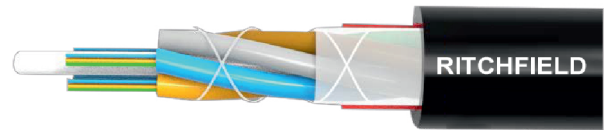
- Adopted to Indoor & Outdoor Distribution
- Adopted to trunk power transmission system
- Access network and local network in high electromagnetic interfering places

Ⓢ Characteristics

- Non-metal strength member
- Filler protect loose tuber fiber
- Non-metal strength has an excellent-antielectromagnet ability

Fibre Compliance

.ITU-T G.652.D/G.657.A,IEC 60793-2-50 G677B.3



Technical Parameters

Cable Count	Outer Sheath Diameter	Minium Allowable Tensile Strength (N)		Minium Allowable Crush Load (N/100mm)		Minium Bending Radius (MM)	
		Short Term	Long Term	Short Term	Long Term	Short Term	Long Term
24	9.8	1500	600	1000	300	20D	10D
36	9.8	1500	600	1000	300	20D	10D
42	9.8	1500	600	1000	300	20D	10D
48	10.5	1500	600	1000	300	20D	10D
60	10.5	1500	600	1000	300	20D	10D
72	10.5	1500	600	1000	300	20D	10D
96	14.5	1500	600	1000	300	20D	10D
144	18.3	1500	600	1000	300	20D	10D

Fibre Colors

No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Grey	White
No.	7	8	9	10	11	12
Color	Red	Black	Yellow	Voilet	Pink	Aqua

The Properties of Optical Fibre

Fiber Style	Unit	SM	MM 50/125	MM 62.5/125
Condition	nm	1310/1550	850/1300	850/1300
Attenuation	dB/km	≤ 0.36/0.23	≤ 3.0/1.0	≤ 3.0/1.0
Dispersion	1310 nm	Ps/(nm*km)	≤ 18	.....
	1550 nm	Ps/(nm*km)	≤ 22	.....
Bandwidth	850 nm	MHZ.KM	.....	≥ 400
	1300 nm	MHZ.KM	.....	≥ 800
Zero dispersion wavelength	nm	≥1302≤	.....	.....
Zero dispersion slope	nm	≤0.091	.....	.....
PMD Maximum Individual Fiber		≤0.2	.....	.....
PMD Design Link Value	Ps/(nm ² *km)	≤0.08	.....	.....
Fiber cutoff wavelength λ _c	nm	≥1180≤	.....	.....
Cable cutoff wavelength λ _{cc}	nm	≤1260	.....	.....
MFD	1310 nm	um	9.2 ± 0.4	.....
	1550 nm	um	10.4 ± 0.8	.....
Numerical Aperture(NA)		.....	0.200 ± 0.015	0.275 ±
Step (mean of bidirectional measurement)	dB	≤0.05	≤0.10	≤0.10
Irregularities over fiber length and point discontinuity	dB	≤0.05	≤0.10	≤0.10
Difference backscatter coefficient	dB/km	≤0.03	≤0.08	≤0.10
Attenuation uniformity	dB/km	≤0.01	.....	.....
Core diameter	um		50 ± 1.0	62.5 ± 2.5
Cladding diameter	um	60.0 ± 0.1	60.0 ± 0.1	60.0 ± 0.1
Cladding non-circularity	%	≤1.0	≤1.0	≤1.0
Coating diameter	um	242 ± 7	242 ± 7	242 ± 7
Coating/chaffinch concentricity error	um	≤12.0	≤12.0	≤12.0
Coating non circularity error	%	≤6.0	≤6.0	≤6.0
Core/cladding concentricity error	um	≤0.6	≤1.5	≤1.5
Curl(radius)	um	≤4	.....	.....

Temperature Cycling	IEC60794-1-2-F1
Tensile Strength Crush	IEC60794-1-2-E1A IEC60794-1-2-E3
Impact Test	IEC 60794-1-2-E4
Cable UV Resistance	EC 60794-1-2,9.12 IEC 60794-1-2,F14 ISO 4892-2
Torsion Test	IEC60794-1-2-E7

Geometric Characteristics

Characteristic	Condition	Data	Unit
Cladding roundness	-	≤ 0.7	%
Cladding diameter	-	125 ± 0.7	µm
Coating diameter	-	245 ± 5	µm
Coating/package concentricity error	-	≤12.0	µm
Core/package concentricity error	-	≤0.6	µm
The warpage (radius)	-	≥4	m

Environmental Characteristics

Item	Parameter	
Tensile	Short Term	1500N
	Long Term	600N
Crush Resistance	Short Term	1000N
	Long Term	300N
Temperature Range (°C)	Transport&Storage	-40~+70
Minimum Bending	Short Term	20D mm
	Long Term	10D mm

Ordering Information

Part Number	Product Description
RF2-24MLSMIO-<JT>	24 Multi Loose tube Indoor / Outdoor Cable, 09/125um Single mode, <Jacket Type>
RF2-36MLSMIO-<JT>	36 Multi Loose tube Indoor / Outdoor Cable, 09/125um Single mode, <Jacket Type>
RF2-42MLSMIO-<JT>	42 Multi Loose tube Indoor / Outdoor Cable, 09/125um Single mode, <Jacket Type>
RF2-48MLSMIO-<JT>	48 Multi Loose tube Indoor / Outdoor Cable, 09/125um Single mode, <Jacket Type>
RF2-60MLSMIO-<JT>	60 Multi Loose tube Indoor / Outdoor Cable, 09/125um Single mode, <Jacket Type>
RF2-72MLSMIO-<JT>	72 Multi Loose tube Indoor / Outdoor Cable, 09/125um Single mode, <Jacket Type>
RF2-96MLSMIO-<JT>	96 Multi Loose tube Indoor / Outdoor Cable, 09/125um Single mode, <Jacket Type>
RF2-144MLSMIO-<JT>	144 Multi Loose tube Indoor / Outdoor Cable, 09/125um Single mode, <Jacket Type>

RF2-24MLM1IO-<JT>	24 Core Multi Loose tube Indoor / Outdoor Cable, 62.5/125um OM1 Multi-Mode, <Jacket Type>
RF2-36MLM1IO-<JT>	36 Core Multi Loose tube Indoor / Outdoor Cable, 62.5/125um OM1 Multi-Mode, <Jacket Type>
RF2-42MLM1IO-<JT>	42 Core Multi Loose tube Indoor / Outdoor Cable, 62.5/125um OM1 Multi-Mode, <Jacket Type>
RF2-48MLM1IO-<JT>	48 Core Multi Loose tube Indoor / Outdoor Cable, 62.5/125um OM1 Multi-Mode, <Jacket Type>
RF2-60MLM1IO-<JT>	60 Core Multi Loose tube Indoor / Outdoor Cable, 62.5/125um OM1 Multi-Mode, <Jacket Type>
RF2-72MLM1IO-<JT>	72 Core Multi Loose tube Indoor / Outdoor Cable, 62.5/125um OM1 Multi-Mode, <Jacket Type>
RF2-96MLM1IO-<JT>	96 Core Multi Loose tube Indoor / Outdoor Cable, 62.5/125um OM1 Multi-Mode, <Jacket Type>
RF2-144MLM1IO-<JT>	144 Core Multi Loose tube Indoor / Outdoor Cable, 62.5/125um OM1 Multi-Mode, <Jacket Type>

RF2-24MLM2IO-<JT>	24 Core Multi Loose tube Indoor / Outdoor Cable, 50/125um OM2 Multi-Mode , <Jacket Type>
RF2-36MLM2IO-<JT>	36 Core Multi Loose tube Indoor / Outdoor Cable, 50/125um OM2 Multi-Mode , <Jacket Type>
RF2-42MLM2IO-<JT>	42 Core Multi Loose tube Indoor / Outdoor Cable, 50/125um OM2 Multi-Mode , <Jacket Type>
RF2-48MLM2IO-<JT>	42 Core Multi Loose tube Indoor / Outdoor Cable, 50/125um OM2 Multi-Mode , <Jacket Type>
RF2-60MLM2IO-<JT>	60 Core Multi Loose tube Indoor / Outdoor Cable, 50/125um OM2 Multi-Mode , <Jacket Type>
RF2-72MLM2IO-<JT>	72 Core Multi Loose tube Indoor / Outdoor Cable, 50/125um OM2 Multi-Mode , <Jacket Type>
RF2-96MLM2IO-<JT>	96 Core Multi Loose tube Indoor / Outdoor Cable, 50/125um OM2 Multi-Mode , <Jacket Type>
RF2-144MLM2IO-<JT>	144 Core Multi Loose tube Indoor / Outdoor Cable, 50/125um OM2 Multi-Mode , <Jacket Type>

RF2-24MLM3IO-<JT>	24 Core Multi Loose tube Indoor / Outdoor Cable, 50/125um OM3 Multi-Mode, <Jacket Type>
RF2-36MLM3IO-<JT>	36 Core Multi Loose tube Indoor / Outdoor Cable, 50/125um OM3 Multi-Mode, <Jacket Type>
RF2-42MLM3IO-<JT>	42 Core Multi Loose tube Indoor / Outdoor Cable, 50/125um OM3 Multi-Mode, <Jacket Type>
RF2-48MLM3IO-<JT>	42 Core Multi Loose tube Indoor / Outdoor Cable, 50/125um OM3 Multi-Mode, <Jacket Type>
RF2-60MLM3IO-<JT>	60 Core Multi Loose tube Indoor / Outdoor Cable, 50/125um OM3 Multi-Mode, <Jacket Type>
RF2-72MLM3IO-<JT>	72 Core Multi Loose tube Indoor / Outdoor Cable, 50/125um OM3 Multi-Mode, <Jacket Type>
RF2-96MLM3IO-<JT>	96 Core Multi Loose tube Indoor / Outdoor Cable, 50/125um OM3 Multi-Mode, <Jacket Type>
RF2-144MLM3IO-<JT>	144 Core Multi Loose tube Indoor / Outdoor Cable, 50/125um OM3 Multi-Mode, <Jacket Type>

Part Number	Product Description
RF2-24MLM4IO-<JT>	24 Core Multi Loose tube Indoor / Outdoor Cable, 50/125um OM4 Multi-Mode, <Jacket Type>
RF2-36MLM4IO-<JT>	36 Core Multi Loose tube Indoor / Outdoor Cable, 50/125um OM4 Multi-Mode, <Jacket Type>
RF2-42MLM4IO-<JT>	42 Core Multi Loose tube Indoor / Outdoor Cable, 50/125um OM4 Multi-Mode, <Jacket Type>
RF2-48MLM4IO-<JT>	42 Core Multi Loose tube Indoor / Outdoor Cable, 50/125um OM4 Multi-Mode, <Jacket Type>
RF2-60MLM4IO-<JT>	60 Core Multi Loose tube Indoor / Outdoor Cable, 50/125um OM4 Multi-Mode, <Jacket Type>
RF2-72MLM4IO-<JT>	72 Core Multi Loose tube Indoor / Outdoor Cable, 50/125um OM4 Multi-Mode, <Jacket Type>
RF2-96MLM4IO-<JT>	96 Core Multi Loose tube Indoor / Outdoor Cable, 50/125um OM4 Multi-Mode, <Jacket Type>
RF2-144MLM4IO-<JT>	144 Core Multi Loose tube Indoor / Outdoor Cable, 50/125um OM4 Multi-Mode, <Jacket Type>

JT=Jacket Type PV-PVC / LZ-LSZH / PE-PE / FV-FRPVC / FZ-FRLSZH